

RT-1175/C REMBASS-II Repeater



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VENDOR DESCRIPTION

Nova Engineering's RT-1175/C REMBASS-II Repeater represents an upgrade to the inventory RT-1175/A and RT-1175/B. The Repeater is a portable single-channel VHF FM unit used to relay messages from field-deployed sensors to either another Repeater or to a remote Monitor/Display. Several Repeaters can be used in a station-to-station chain, one sending to another, to cover longer distances. Additionally, transmit and receive frequencies are independently programmable.



Product Manager
Robotic & Unmanned Sensors

Telephone: (732) 427-5827 / DSN 987

Fax: (732) 427-5072 / DSN 987

e-mail: SFAE-IEWS-NV-RUS@IEWS.monmouth.army.mil

UGS

Power Source		Environmental	
Repeater	BA-5590/U, BA-5390/U Lithium	High Temp	+140°F (+60°C)
Battery	30-45 days @ 16,000 activations/day @ -40°C	Altitude	15,000 ft above sea level
		Humidity	0%-100%
		Immersion	Withstands 120 + 5 min. in 1m + 0.1m H ₂ O
		Sand/Dust	Fine sand & dust particles in 35-knot winds
		Salt	Complies with MIL-STD-810, method 509
		Fungus	Complies with MIL-STD-810, method 508
		Shock/Vibe	Random vibration, drop test & loose cargo
		EMI/EMC	Complies w/ MIL-STD-461, Level CE06, CS03, CS04, RE02.1

Device	Description	Size/Weight	Features
Repeater	Utilized to overcome line-of-sight obstructions or extend communications range by 5-20km (antenna-dependent).	7.75"x 5.75"x 4.75" 8.0 lbs w/ battery	<ul style="list-style-type: none">Fully interchangeable w/ RT-1175/A or RT-1175/BLow cost replacement for inventory hardwareRetransmits messagesReceives & automatically retransmits legacy or higher rateDual rate communicationsLaptop programmableVHF 138-153 MHz599 channelsLPI/LPD ultra-short burst transmissions2-watt transmitter